APPROVED O.G. FIG. BY CLASS SUBC

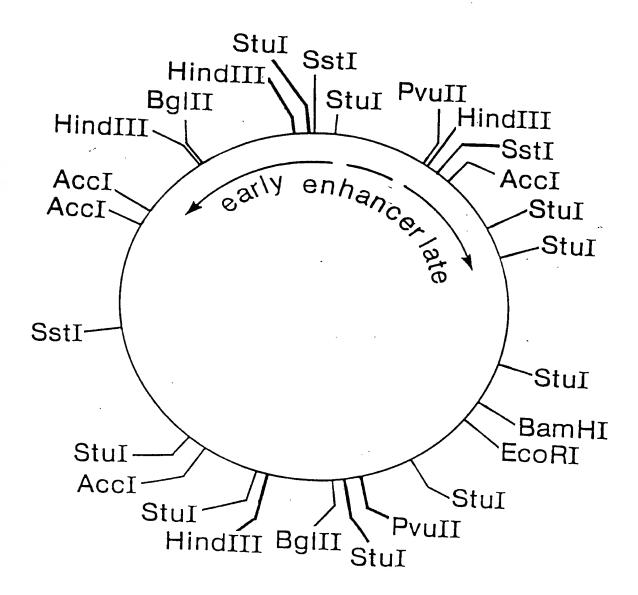
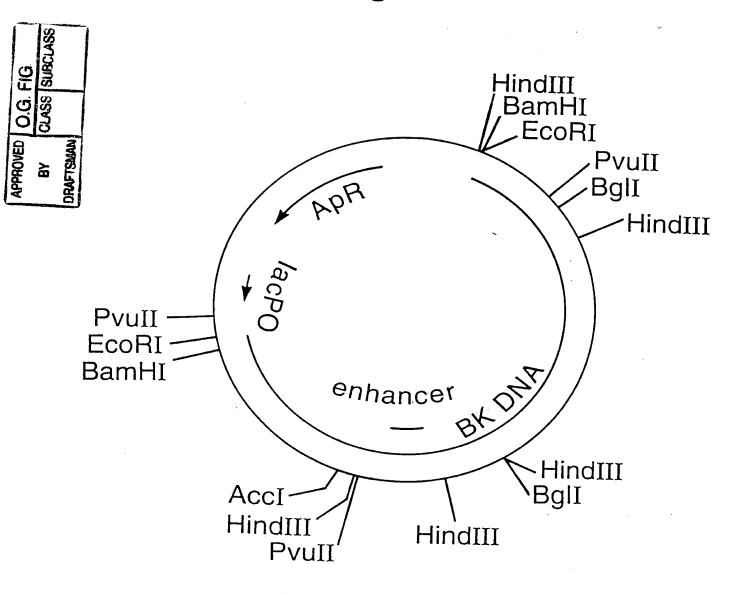
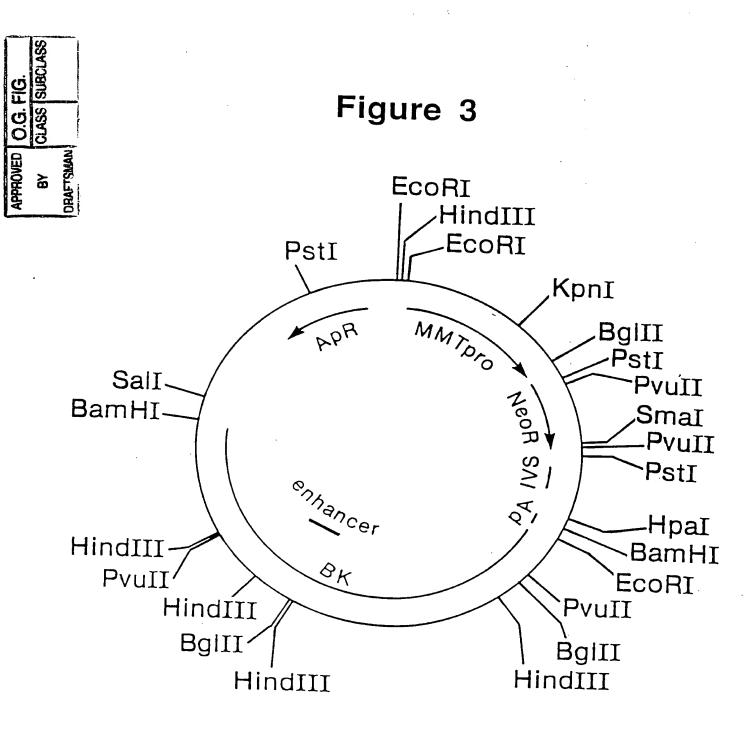


Figure 2

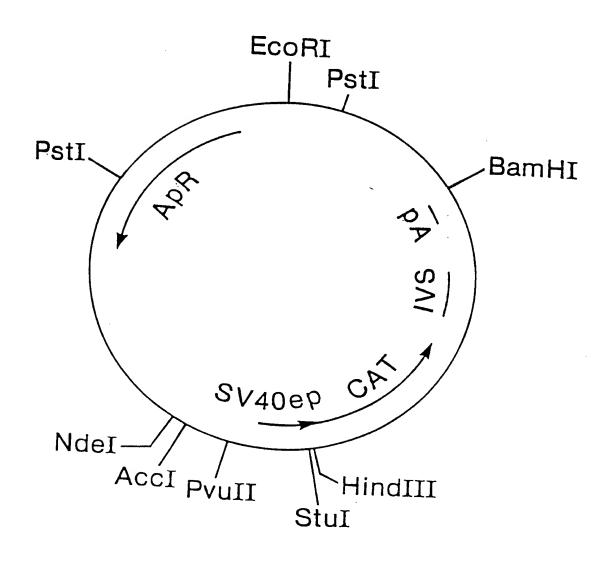




APPROVED O.G. FIG.

BY CLASS SUBCLASS
DRAFTSMAN

Figure 4



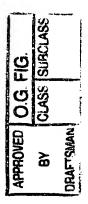
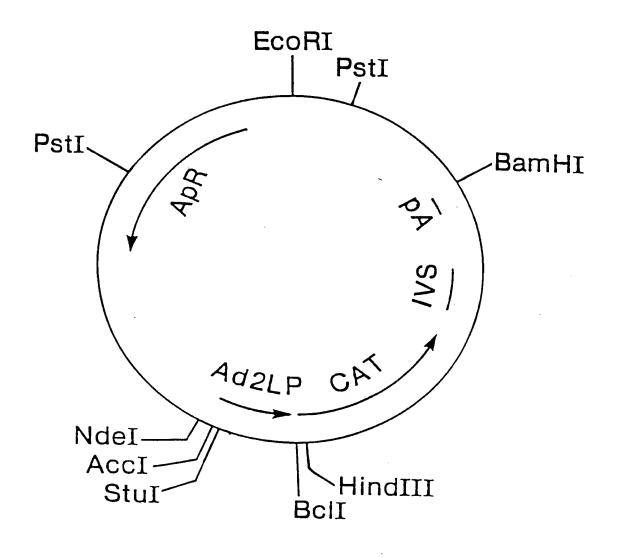
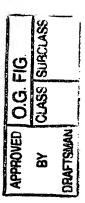


Figure 5





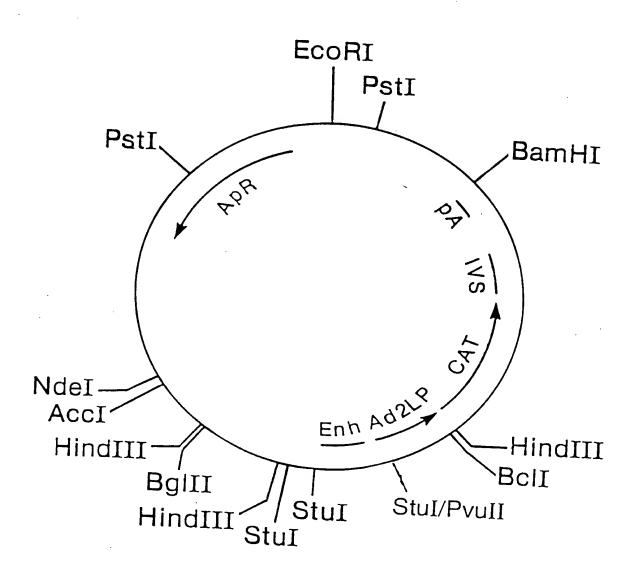
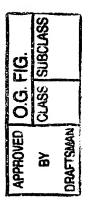
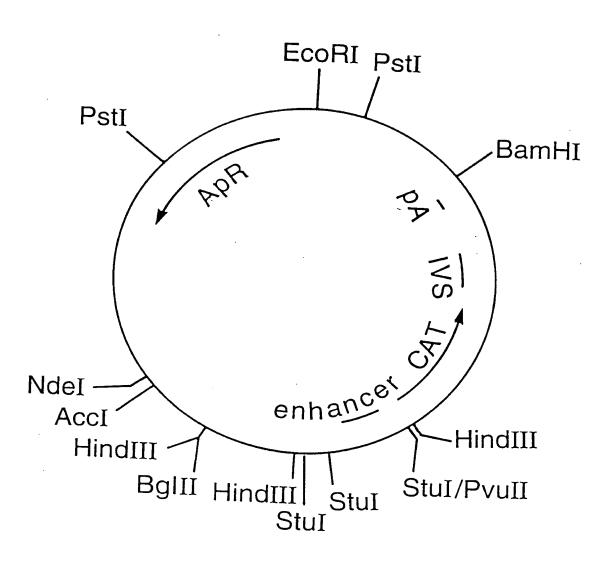
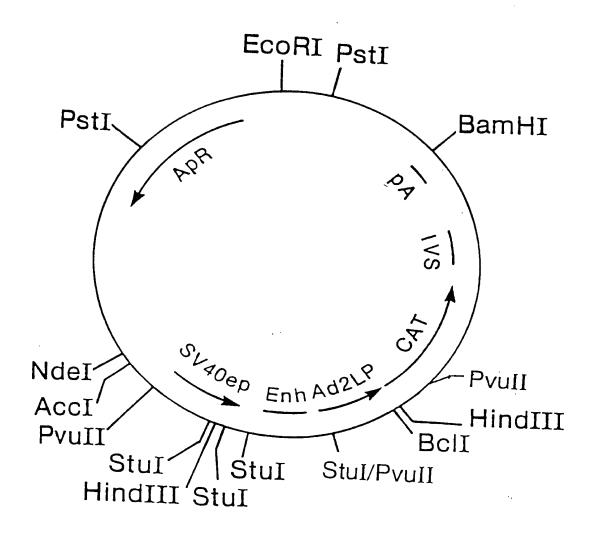


Figure 7



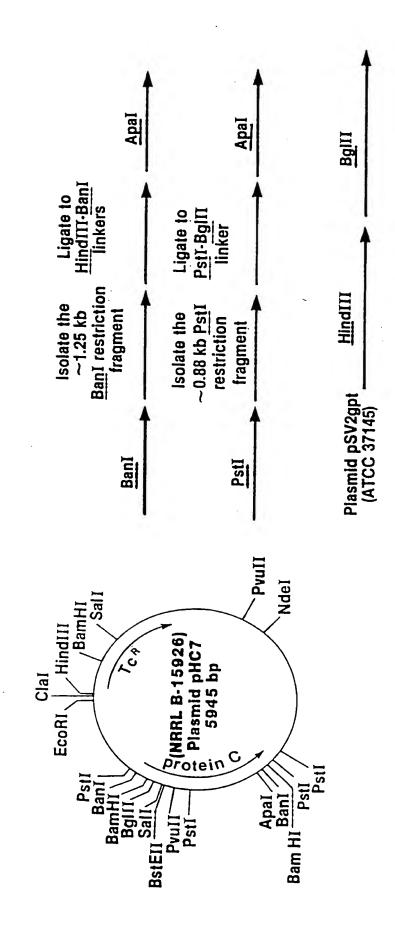


APPROVED O.G. FIG.
BY CLASS SURCLASS
DRAFTSMAN



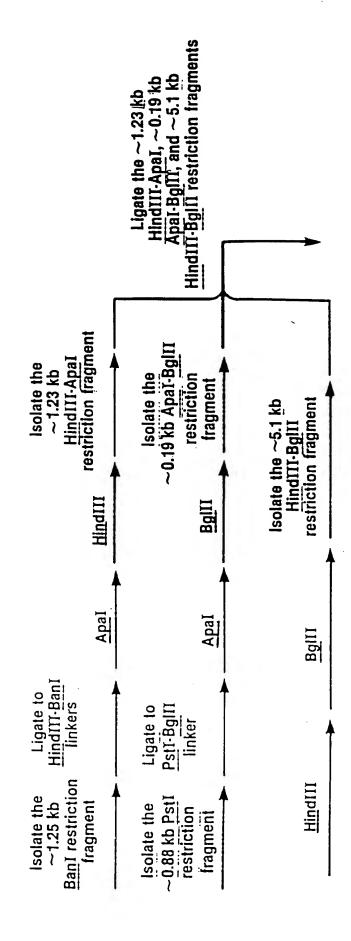
APPROVED O.G FIG
BY GLASE SUBCLASE
DRAFTSMAN

Figure 9 A



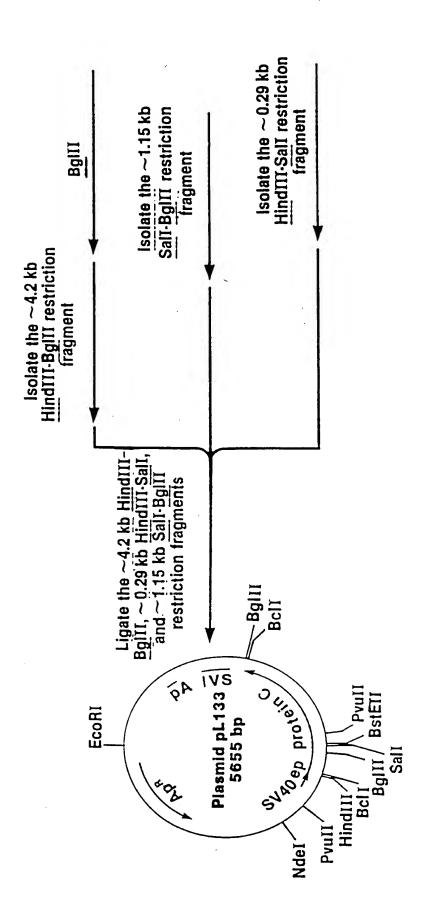
APPROVED O.G. FIG.
BY CLASS SURCLASS
DRAFTSMAN

Figure 9 B



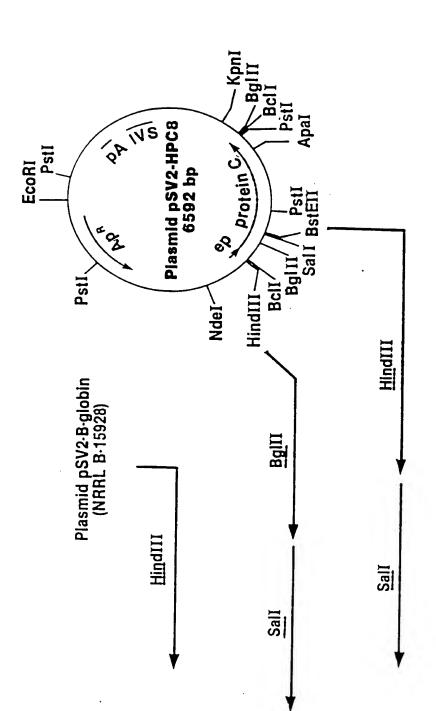
APPROVED O.G. FIG
BY CLASS SURCLASS
DRAFTSMAN

Figure 9 C



APPROVED	O.G. FIG.
} 6	CLASS SUBCLASS
DRAFTSMAN	

Figure 9 D



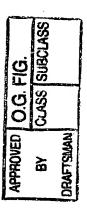
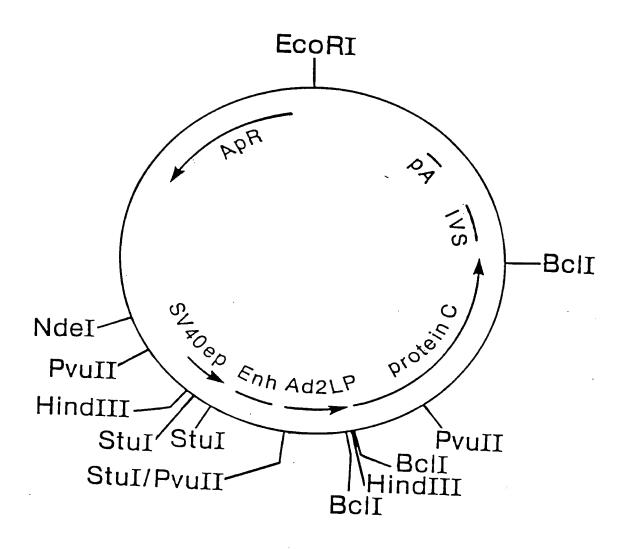
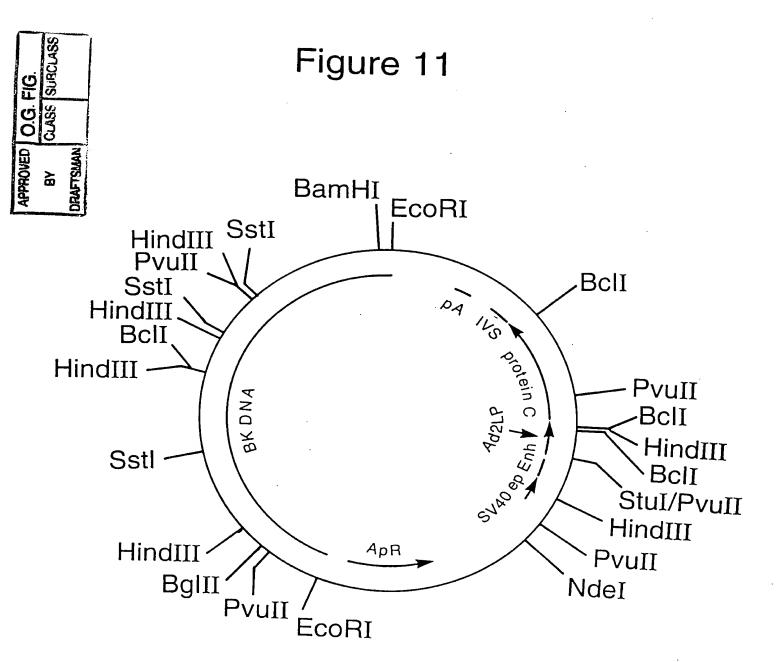
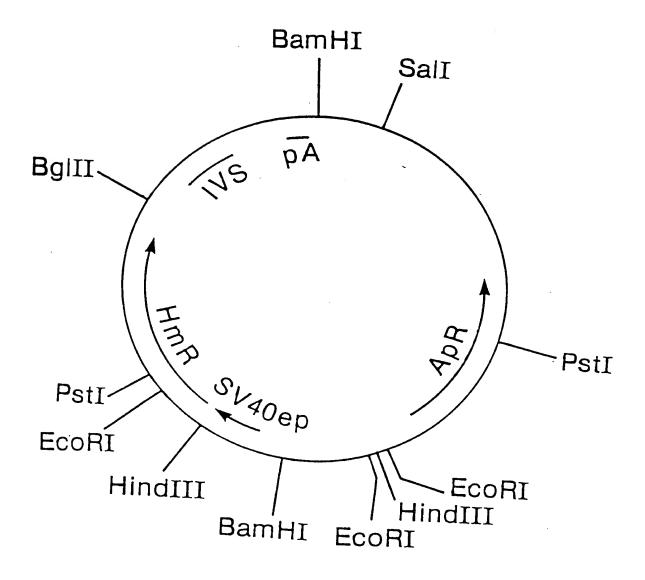


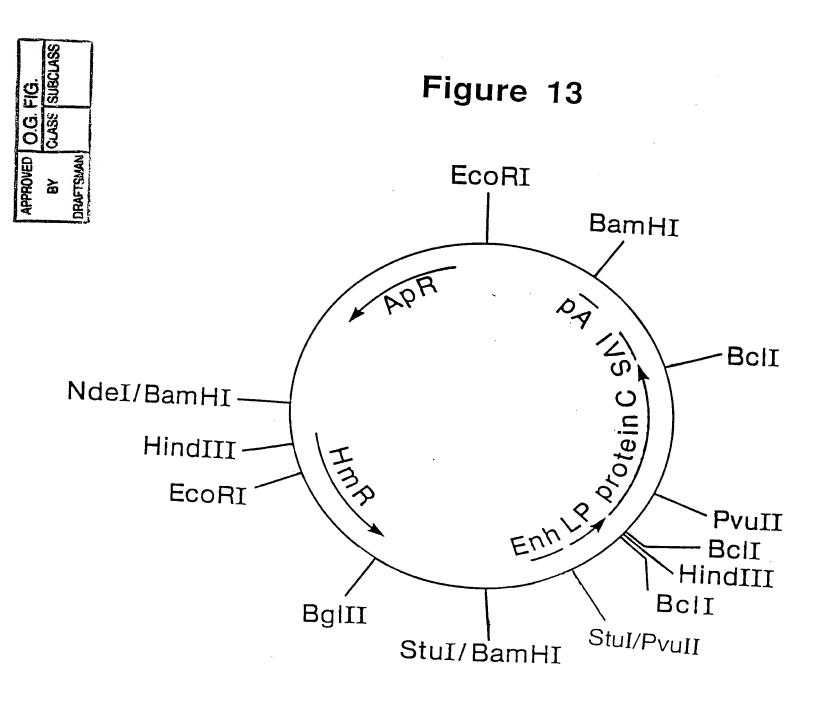
Figure 10











APPROVED O.G. FIG. BY CLASS SUBCLASS EcoRI-Clai restriction fragment of Ligate the ~ 0.29 kb EcoRI-Clar restriction fragment to the large DRAFTSMAN Isolate the ~0.29 kb restriction fragment EcoRI-ClaI plasmid pKC7 Figure 14 A EcoRI Cla I BstEII Tth1111 BgIII -EcoRI -SstI -Smal Tth111I EcoRI Scal Scal EcoRI Clar HindIII BgIII Plasmid pKC7 EcoRI (ATCC 37084) \ SmaI SaII tropo (NRRL B-15834) pTPA102 \sim 8.0 kb XhoI Plasmid BamHI PBR322 Sall

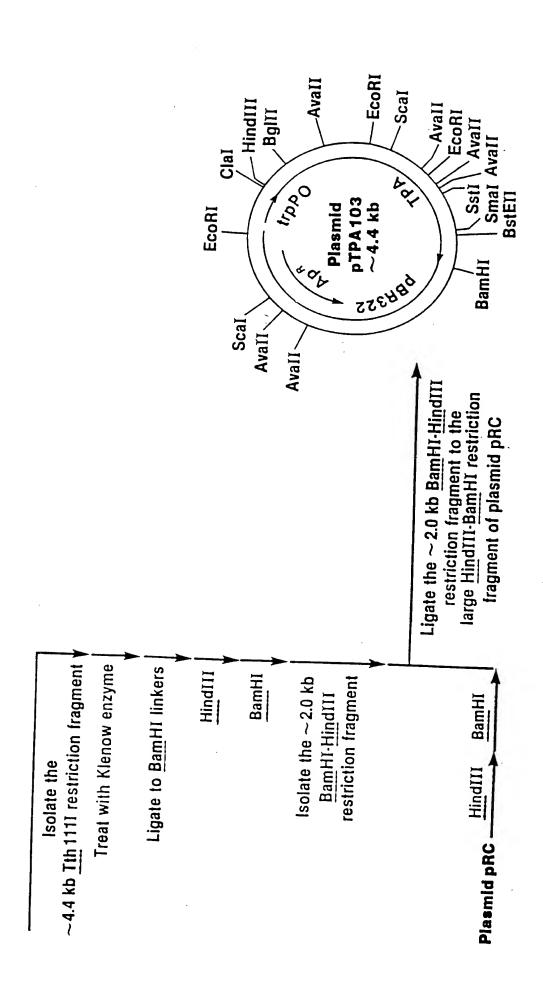
Scal

Tth1111-

APPROVED O.G. FIG.

BY CLASS SUBCLASS
DRAFTSMAN

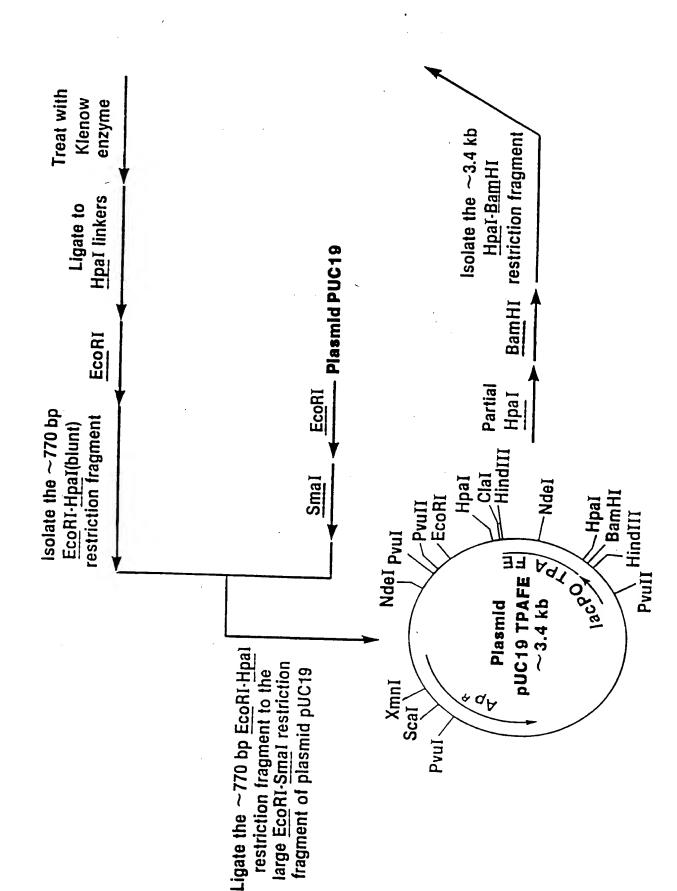
Figure 14 B

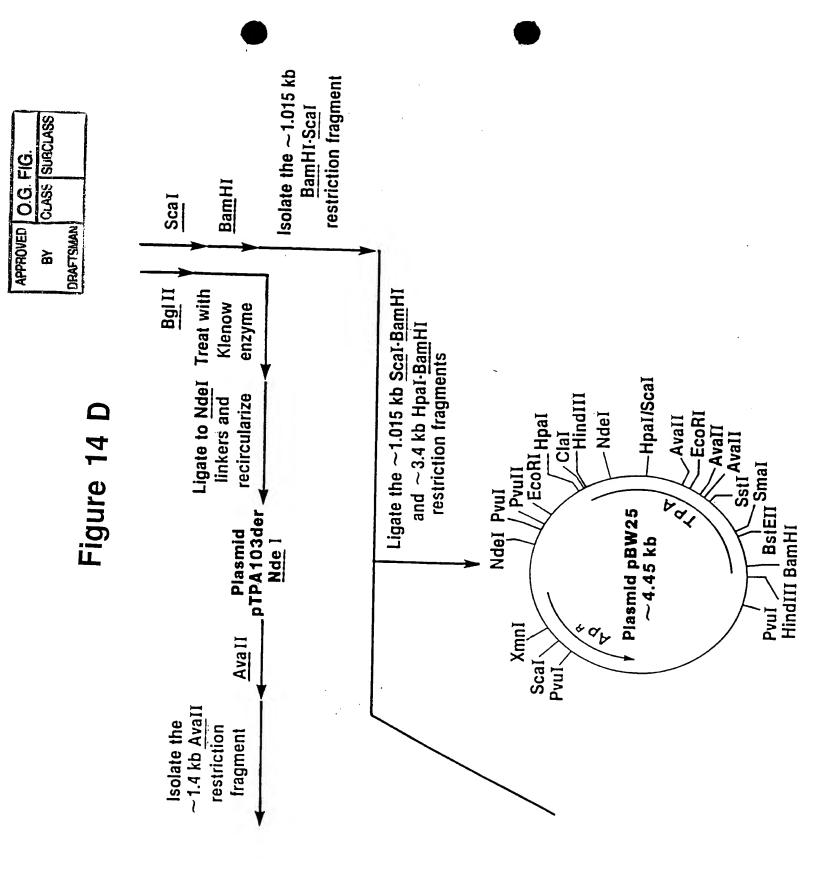


APPROVED O.G. FIG.

BY GLASS SUBCLASS
DRAFTSMAN

Figure 14 C

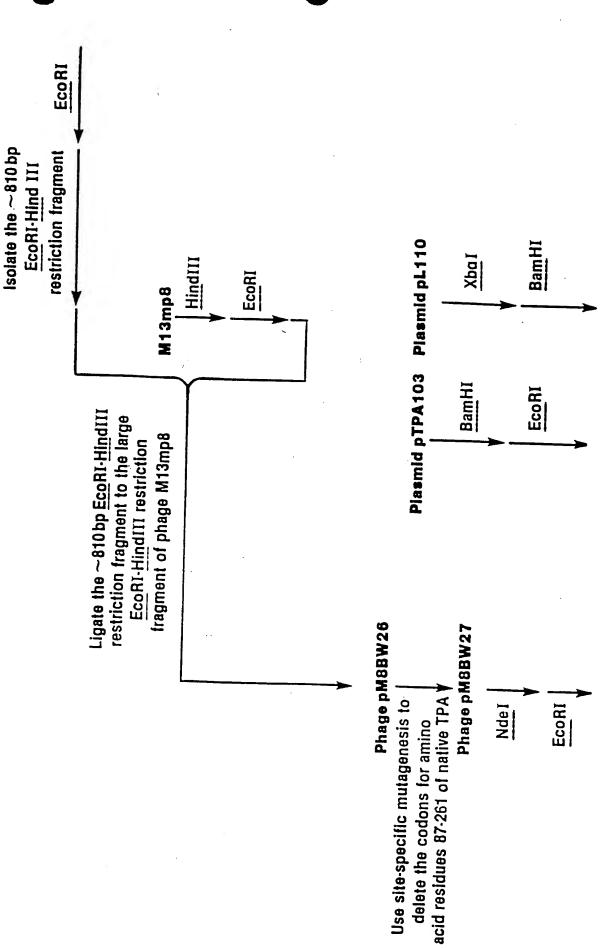




APPROVED O.G. FIG.

BY CLASS SURCLASS
DRAFTSMAN

Figure 14 E



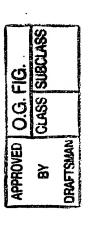


Figure 14 F

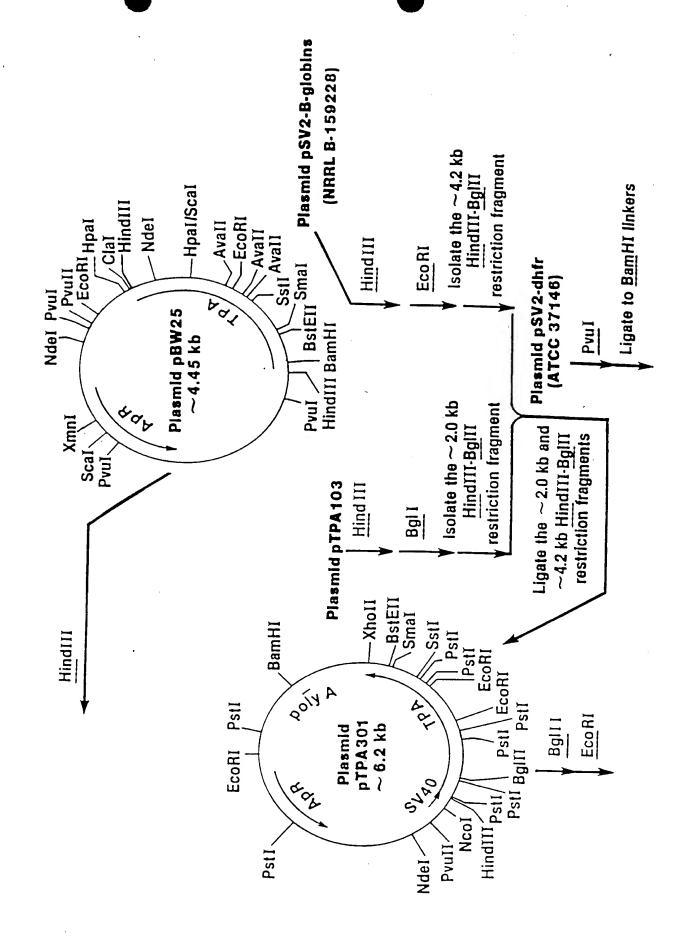
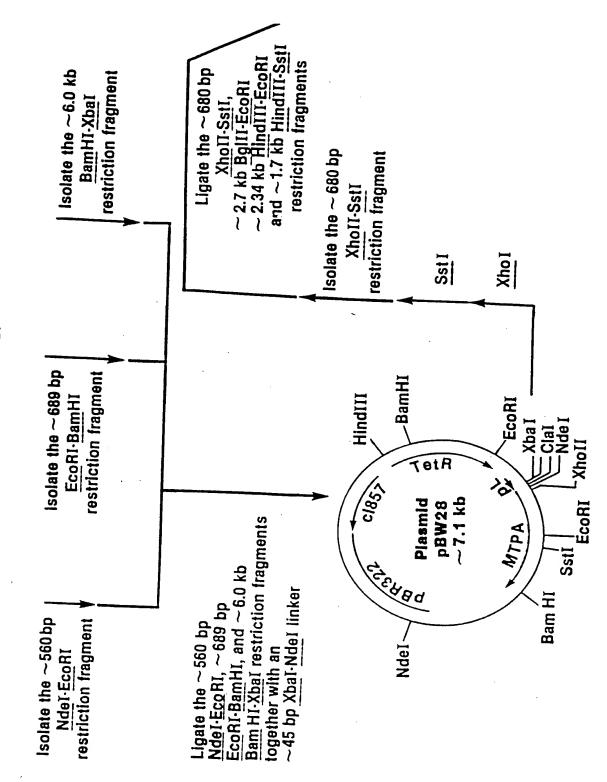




Figure 14 G



Ligate the Bam HI-digested plasmid pTPA301 to the 1.9 kb Bam HI restriction CLASE SUBCLASS Isolate the ~1.9 kb BamHI -HindIII APPROVED O.G. FIG. BamHI BgIII restriction fragment BamHI A Ylog PTPA303 ~8.1 Kb 00/1/2 ~8.1 Kb 00/1/2 ~8.1 Kb 00/1/2 /XhoII DRAFTSMAN BSIEIT PstI fragment à Smaĭ BamHI Plasmid EcoRI Sstr EcoRI// Sst EcoRI/PstI ROY SA PstI SVAO PstI / / PstI / Psti Bglii NcoI HindIII Nde_I-PvuII_ Figure 14 H Isolate the ~1.7 kb restriction fragment HindIII HindIII-SstI Treat with alkaline phosphatase EcoRI HindII SstI BamHI restriction fragment BgIII HindIII. EcoRI restriction ~2.7 kb BgiII. HindIII-EcoRI Bam HI Isolate the Isolate the $\sim 2.34 \text{ kb}$ fragment BamHI 1140001500 POÍYA PstI EcoRI XhoII pBW32 ~7.5 kb EcoRI Plasmid * APA ATPA ADA SSEARG NAO SstI HindIII XhoII Pvu II-

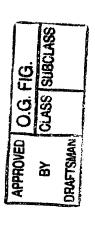
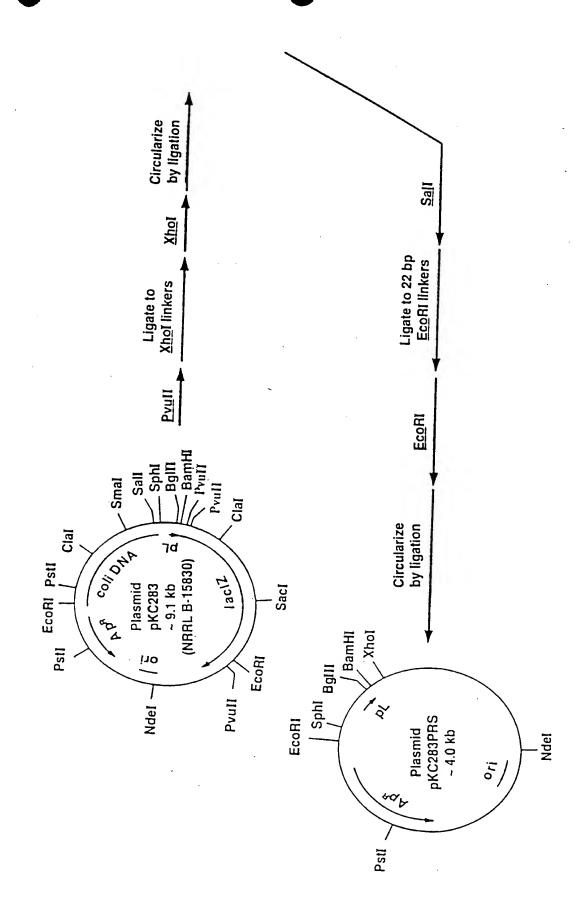


Figure 14 I



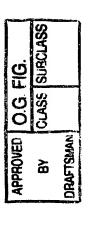
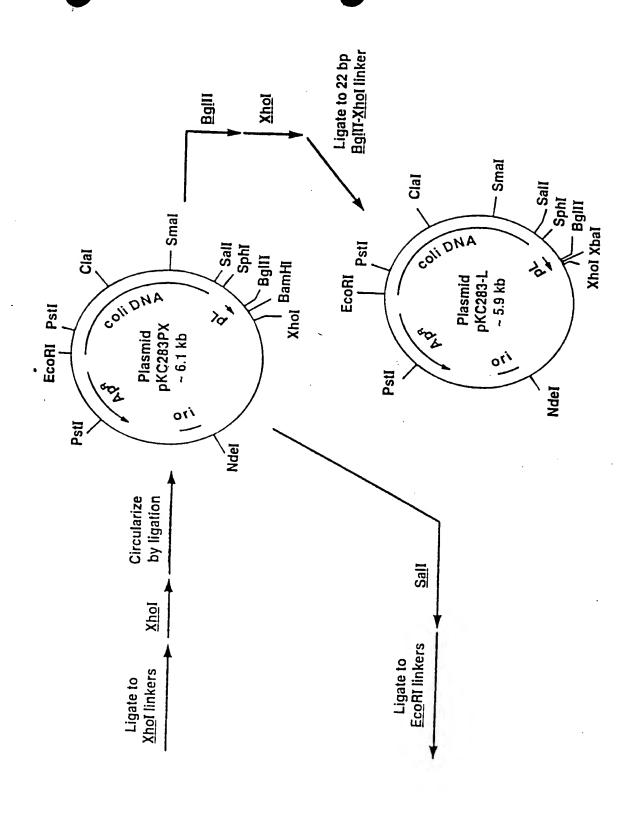
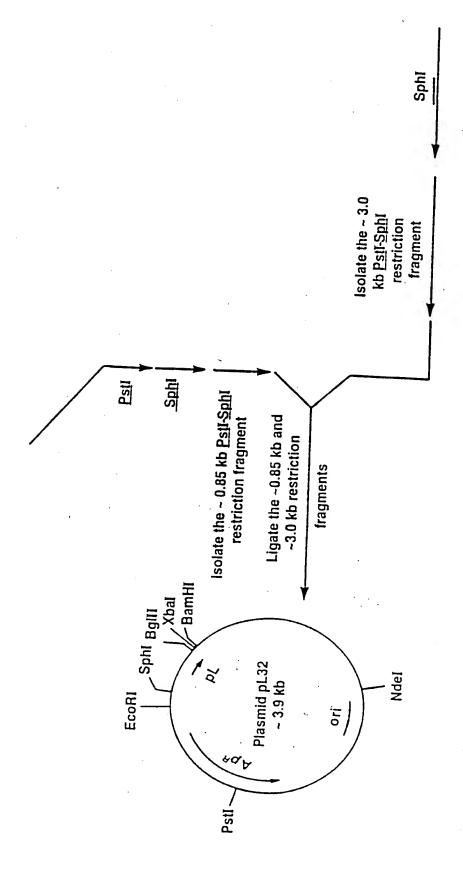


Figure 14 J



O.G. FIG.	CIASS SUBCLASS	
APPROVED	<u>></u>	DRAFTSMAN

Figure 14 K



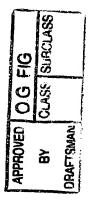
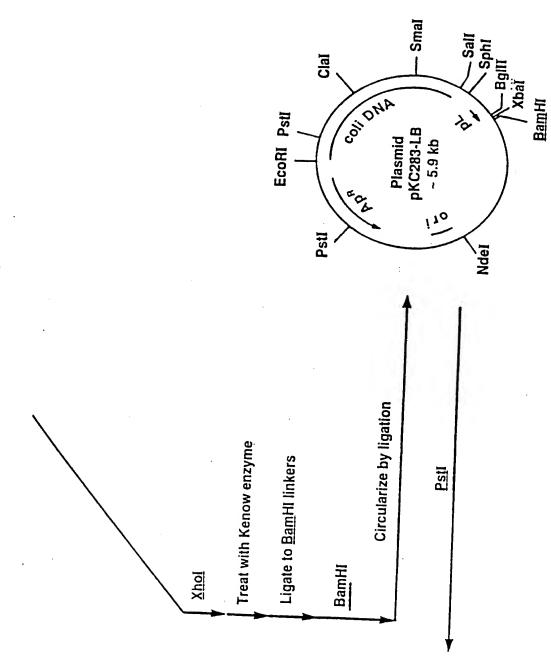
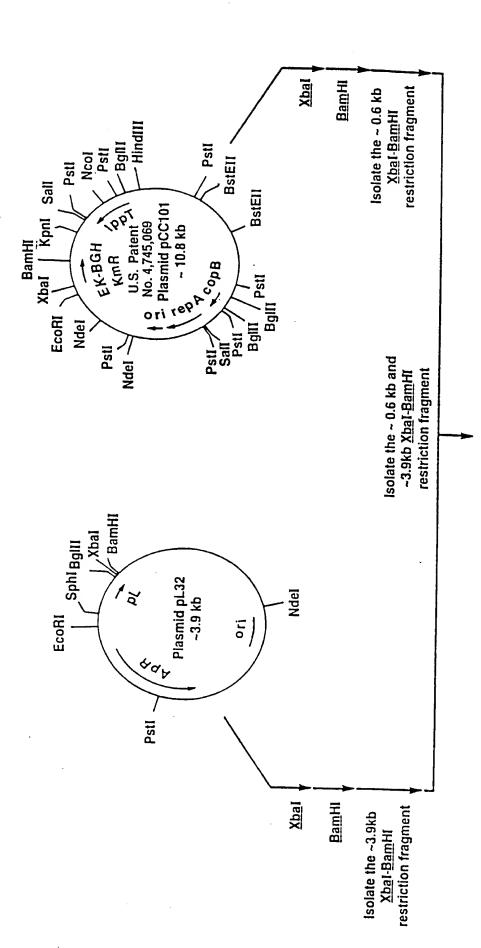


Figure 14 L



10	CLASS SURCLASS	
APPROVED	∂ 6	DRAFTSMAN

Figure 14 M



APPROVED O.G. FIG. BY CLASS SUBCLASS DRAFTSMAN
<u> </u>

Figure 14 N

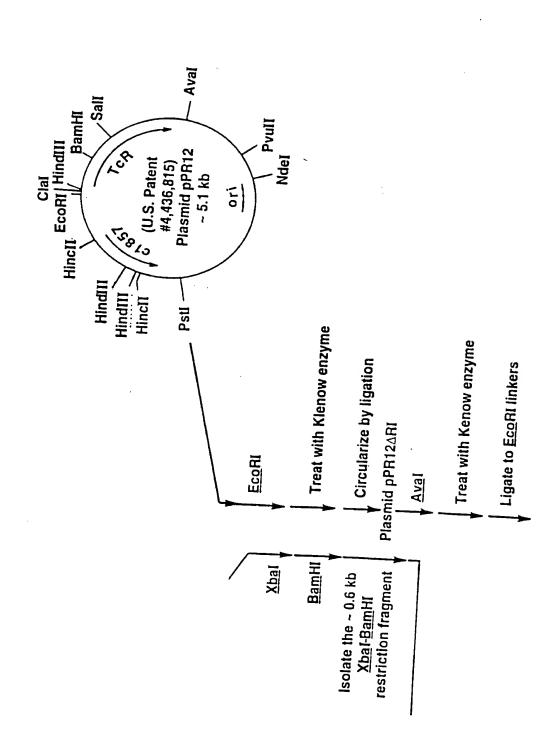
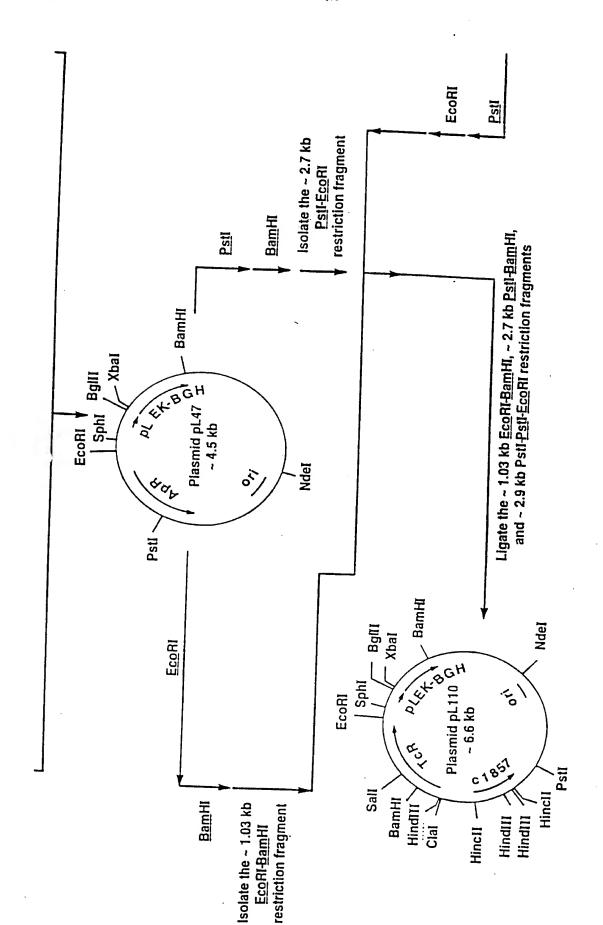


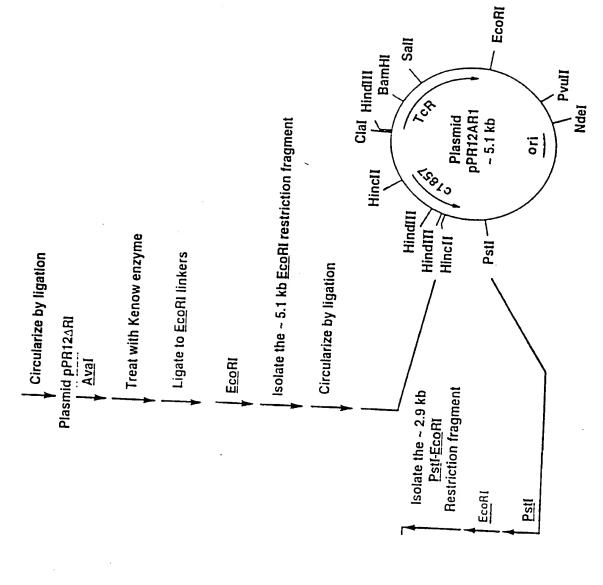


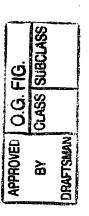
Figure 14 O



APPROVED O.G FIG
BY CLASS SURCLASS
DRAFTSMAN

Figure 14 P





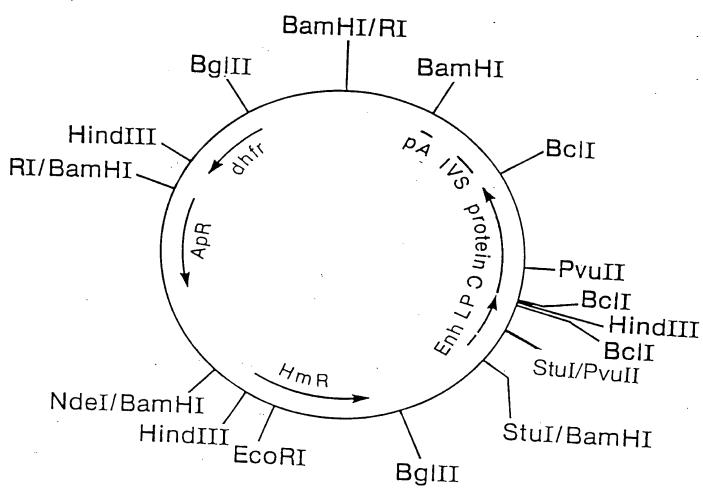
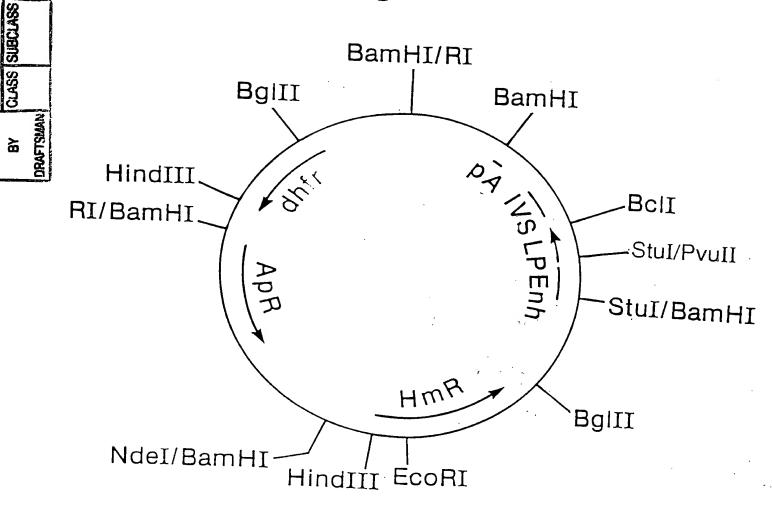


Figure 16



APPROVED O.G. FIG.
BY CLASS SUBCLASS

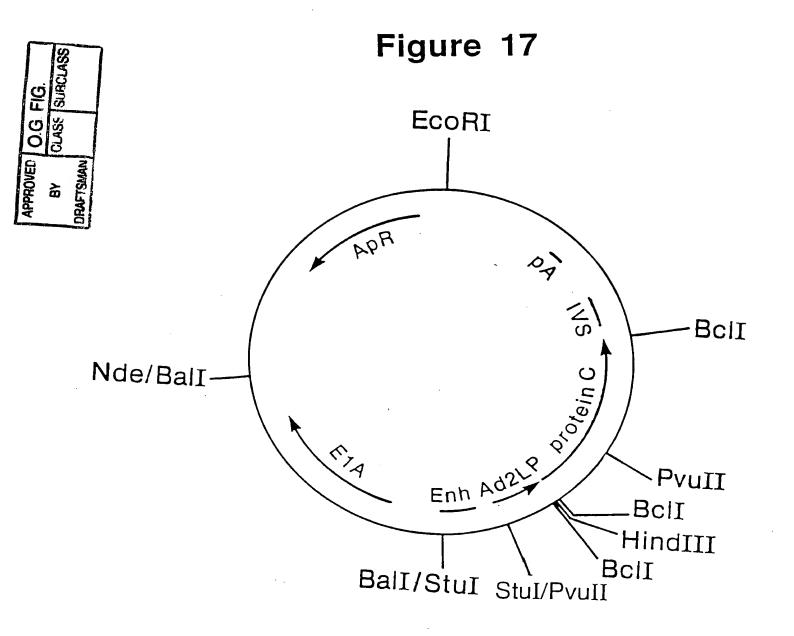
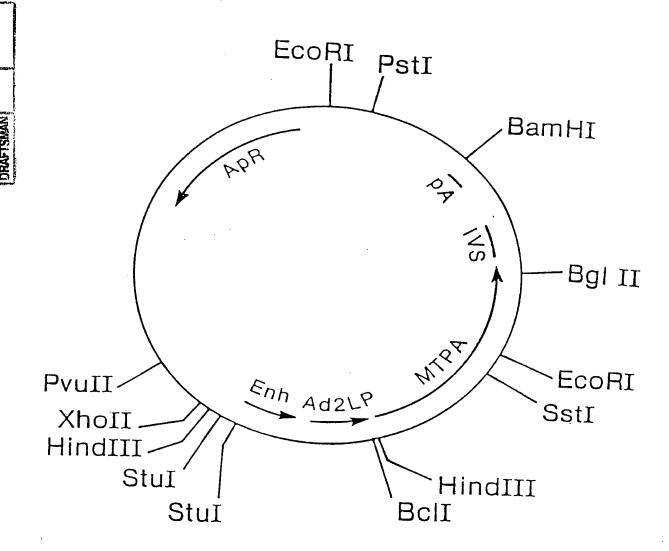


Figure 18



APPROVED O.G. FIG.
BY CLASS SUBCLI

Figure 19 EcoRI PstI BamHI HindIII EcoRI PstI PvuII EMPLO MTPA XhoII. HindIII. Bgl II StuÍ Stuľ BamHI

EcoRI

BgIII

HindIII

SstI

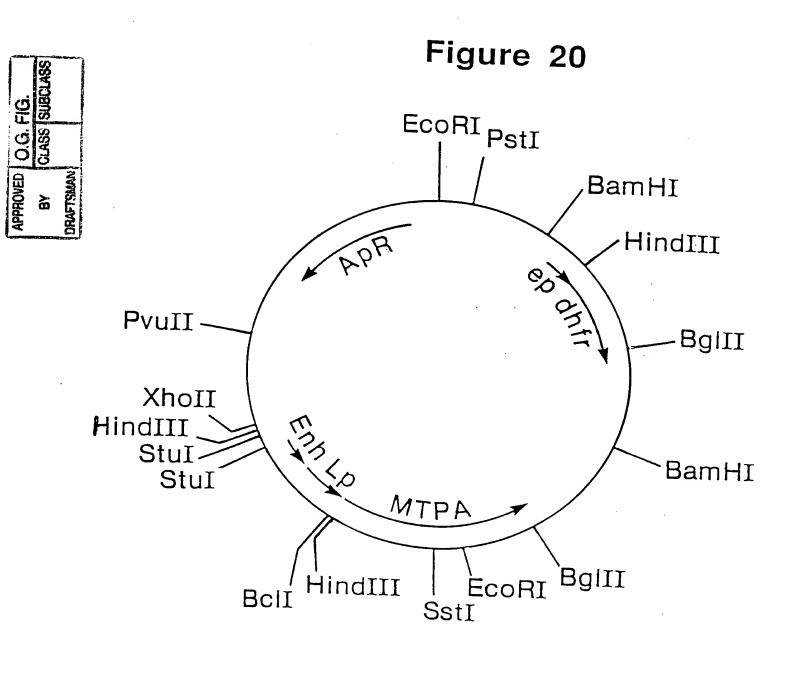
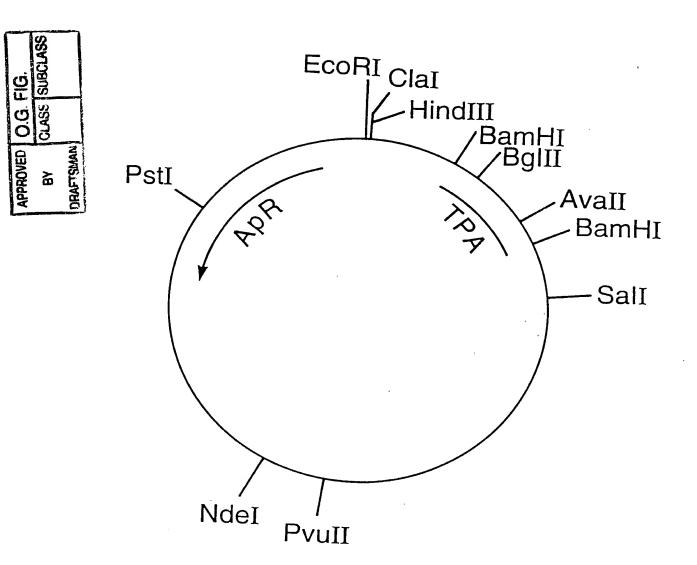
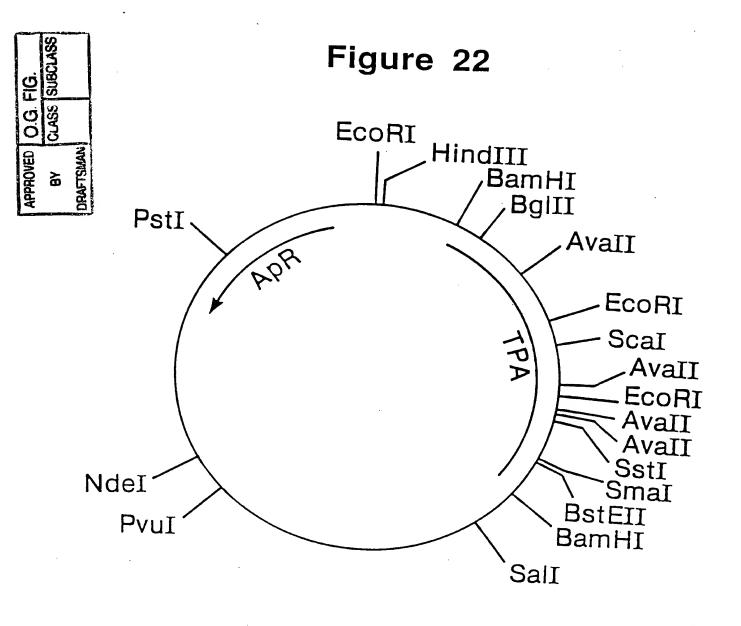
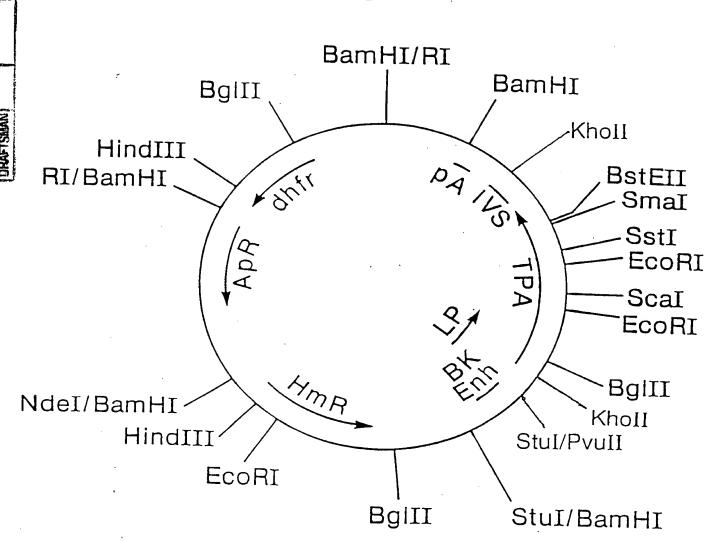


Figure 21







APPROVED O.G. FIG.
BY CLASS SUBCLASS

